PATENT
Attorney Docket No. 215390

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yeung et al.

Art Unit: Unassigned

Application No. Unassigned
(U.S. National Phase of PCT/US01/16187)

Examiner: Unassigned

Filed: January 18, 2002

For: HIGH-THROUGHPUT METHODS OF DISTINGUISHING AT LEAST ONE MOLECULE INDIVIDUALLY IN A SAMPLE COMPRISING MULTIPLE MOLECULES AND SYSTEMS FOR USE THEREIN

AMENDMENTS TO CLAIMS
MADE VIA PRELIMINARY AMENDMENT

Amendments to existing claims:

8. The high-throughput method of [any of claims 1-7] claim 1, wherein said sample comprises a buffer.

11. The high-throughput method of claim [4 or 6] 1, wherein said at least one molecule is detectably labeled with a fluorescent label and said fluorescent label is induced to fluoresce by a laser.

12. The high-throughput method of any of [claims 4, 6 and 11] claim 11, wherein fluorescence from said fluorescent label is focused on an imaging means.

14. The high-throughput method of [any of claims 11-13] claim 12, wherein said laser generates extraneous light and said extraneous light is eliminated through the use of an equilateral prism and at least one optical pinhole positioned before said imaging means.

15. The high-throughput method of claim 12 [or 13], wherein one or more optical filters are positioned in front of said imaging means.